Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the specification:

Listing of Claims

- 1. (currently amended) A pharmaceutical composition comprising:
 - (a) 5-60% by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form;
 - (b) 40-95% by weight on a dry weight basis of a pharmaceutically acceptable diluent;
 - (c) 0-20% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant; and optionally
 - (d) 0.1-10% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.
- 2. (currently amended) A composition according to claim 1 comprising:
 - (a) 20-40% preferably 20-35% by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form;
 - (b) 40-95% by weight on a dry weight basis of a pharmaceutically acceptable diluent;
 - (c) 0-10% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant; and optionally
 - (d) 0.25-6% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.
- 3. (currently amended) A composition according to claim 1 or claim-2, comprising;
 - (a) 20-35% by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form;
 - (b) 62-78% by weight on a dry weight basis of a pharmaceutically acceptable diluent;
 - (c) 0-10% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant; and optionally
 - (d) 0.1-10% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.
- 4. (currently amended) A composition according to any one of claims 1 to 3 claim 1 comprising;
 - (a) 22-28% by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form.
- (currently amended) A composition according to any one of claims 1 to 2 claim 1 comprising;

- (a) 30-35 % by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form, and
- (b) 58-72% by weight on a dry weight basis of a pharmaceutically acceptable diluent;
- 6. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising;:
 - i) one or two diluents selected from microcrystalline cellulose and lactose
 - ii) the two diluents microcrystalline cellulose and lactose,
 - iii) 25-70% preferably 35-55% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose, or
 - iv) 25-70% preferably 35-55% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose and 5-40% preferably 18-35% by weight on a dry weight basis of lactose.
- 7. (currently amended) A composition according to any one of claims 1 to 6 claim 1 comprising:
- (c) 1-6% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant, and/or
 - (d) 0.1-10% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.;
- 8. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising:
 - (a) 20-35% by weight on a dry weight basis of DPP-IV inhibitor;
 - (b) 25-70% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose;
 - (c) 5-40% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (d) 0-10% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate;
 - (e) 0.25-6% by weight on a dry weight basis of magnesium stearate.
- 9. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising::
 - (a) 25-35% by weight on a dry weight basis of a DPP-IV inhibitor in free form or in acid addition salt form;
 - (b) 25-70% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose;
 - (c) 5-40% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (d) 0-10% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate;
 - (e) 0.25-6% by weight on a dry weight basis of magnesium stearate.

- 10. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising;
 - (a) 30-35% preferably 30-32% by weight on a dry weight basis of DPP-IV inhibitor e.g. LAF237;
 - (b) 35-50% preferably 40-45% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose;
 - (c) 18-35% preferably 20-25% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (d) 1-4% preferably 1.5-2.5% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate; and
 - (e) 0.5-4% preferably 0.1-2% by weight on a dry weight basis of magnesium stearate.
- 11. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising:
 - (a) 20-35% preferably 22-28% by weight on a dry weight basis of DPP-IV inhibitor e.g. LAF237;
 - (b) 35-55% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose;
 - (c) 18-35% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (d) 1-4% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate; and
 - (e) 0.5-4% by weight on a dry weight basis of magnesium stearate.
- 12. (currently amended) A composition according to any one of claims 1 to 5 claim 1 comprising;
 - (a) from about 22% to about 28% by weight on a dry weight basis of a DPP-IV inhibitor or a DPP-IV inhibitor of formula (I):
 - (b) from about 45% to about 50% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose;
 - (c) from about 20% to about 25% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (d) from about 1.5% to about 2.5% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate; and
 - (e) from about 0.1% to about 2% by weight on a dry weight basis of magnesium stearate.

- 13. (currently amended) A composition according to any one of claims 1 to 12 claim 1, wherein the DPP-IV inhibitor is selected from 1-{2-[(5-cyanopyridin-2-yl) amino] ethylamino} acetyl-2 (S)-cyano-pyrrolidine dihydrochloride, (S)-1-[(3-hydroxy-1-adamantyl) amino]acetyl-2-cyano-pyrrolidine, L-threo-isoleucyl thiazolidine, MK-0431, GSK23A, BMS-477118, 3-(aminomethyl)-2-isobuthyl-1-oxo-4-phenyl-1,2-dihydro-6-isoquinolinecarboxamide and 2-{[3-(aminomethyl)-2-isobuthyl-4-phenyl-1-oxo-1,2-dihydro-6-isoquinolyl]oxy}acetamide and optionally in any case pharmaceutical salts thereof.
- 14. (currently amended) A composition according to any one of claims 1 to 12 claim 1, wherein the DPP-IV inhibitor is 1-[3-hydroxy-adamant-1-ylamino)-acetyl]-pyrrolidine-2(S)-carbonitrile or a pharmaceutical salt thereof.
- 15. (original) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet, wherein the dispersion contains particles comprising a DPP-IV inhibitor, in free form or in acid addition salt form, and wherein at least 60% of the particle size distribution in the tablet is less than 250 µm.
- 16. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet wherein the dispersion contains particles comprising DPP-IV inhibitor, in free form or in acid addition salt form, and wherein tablet thickness to tablet weight ratios is of 0.002 to 0.06 mm/mg preferably of 0.01 to 0.03 mm/mg.
- 17. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet wherein the dispersion contains particles comprising DPP-IV inhibitor; in free form or in acid addition salt form, and wherein;
- i) at least 60% of the particle size distribution in the tablet is less than 250 μm-preferably between 10 to 250 μm, and
- ii) tablet thickness to tablet weight ratios is of 0.002 to 0.06 mm/mg or of 0.01 to 0.03 mm/mg.
- 18. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet wherein the dispersion contains particles comprising DPP-IV inhibitor preferably LAF237, in free form or in acid addition salt form, and wherein;
 - i) at least 60% of the particle size distribution in the tablet is less than 250 μ m preferably between 10 to 250 μ m,
 - ii) the water content of the tablet is less than 10% after 1 week at 25°C and 60% RH, and
 - iii) tablet thickness to tablet weight ratios is of 0.002 to 0.06 mm/mg.

- 19. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 18 claim 15, wherein the particle size distribution in the tablet is between 50 to 150 µm.
- 20. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 19 claim 15, wherein the water content of the tablet is less than 5% after 1 week at 25°C and 60% RH
- 21. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 20 claim 15, wherein tablet thickness to tablet weight ratios is of 0.01 to 0.03 mm/mg.
- 22. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 21 claim 15, wherein at least 60% or at least 80% of the particle size distribution in the tablet is between 10 to 250 µm.
- 23. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 21 claim 15, wherein at least 25% or at least 35% of the particle size distribution in the tablet is between 50 to 150 µm.

24. (canceled)

- 25. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 24 claim 15, wherein
- i) between 0 and 10 minutes 85 to 99.5 % of the active ingredient is released, and
- ii) between 10 and 15 minutes 90 to 99.5 % of the active ingredient is released.
- 26. (currently amended) A compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 24 claim 15, wherein the particle size distribution of the pharmaceutical excipients in the tablet is between 5 and 400µm.
- 27. (currently amended) The compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 26 claim 15, in which the DPP-IV inhibitor is selected from 1-{2-[(5-cyanopyridin-2-yl) amino] ethylamino} acetyl-2 (S)- cyanopyrrolidine dihydrochloride, (S)-1-[(3-hydroxy-1-adamantyl)amino]acetyl-2-cyano-pyrrolidine, L-threo-isoleucyl thiazolidine, MK-0431, GSK23A, BMS-477118, 3-(aminomethyl)-2-isobuthyl-1-oxo-4-phenyl-1,2-dihydro-6-isoquinolinecarboxamide and 2-{[3-(aminomethyl)-2-isobuthyl-4-phenyl-1-oxo-1,2-dihydro-6-isoquinolyl]oxy}acetamide and optionally in any case pharmaceutical salts thereof.

- 28. (currently amended) The compressed pharmaceutical tablet or a direct compressed pharmaceutical tablet according to any one of claims 15 to 26 claim 15, in which the DPP-IV inhibitor is *N*-(substituted glycyl)-2-cyanopyrrolidine is 1-[3-hydroxy- adamant-1-ylamino)-acetyl]-pyrrolidine-2(S)-carbonitrile or a pharmaceutical salts thereof.
- 29. (currently amended) A compressed pharmaceutical tablet according to any one of claims 15 to 28 claim 15, which is a direct compressed tablet.
- 30. (currently amended) A solid dosage form of the composition according to any one of Claims 1 to 14 claim 1.
- 31. (original) The solid dosage form of Claim 30 which is a tablet.
- 32. (original) The solid dosage form of Claim 30 which is a capsule.
- 33. (currently amended) A solid dosage form of the composition according to any one of Claims

 1 to 14 claim 1 which is a compressed tablet preferably a direct compressed tablet.
- 34. (currently amended) Process for preparing a direct compressed tablet according to any-one of claims 15 to 29 claim 15, in unit dosage form, which comprises:
- (a) blending as a % by weight on a dry weight basis:
 - (i) 6-60% by weight on a dry weight basis of DPP-IV inhibitor e.g. LAF237; and
 - (ii) and at least one excipient selected from a diluent, a disintegrant and a lubricant,

to form a DPP-IV inhibitor formulation in the form of a tableting powder, capable of being directly compressed into a tablet; and

- (b) compressing the formulation prepared during step (a) to form the compressed DPP-IV inhibitor tablet in unit dosage form.
- 35. (currently amended) Process for preparing a direct compressed tablet according to any one of claims 15 to 29 claim 15, in unit dosage form, which comprises:
- (a) blending as a % by weight on a dry weight basis:
 - (i) 25-35% by weight on a dry weight basis of DPP-IV inhibitor e.g. LAF237;
 - (ii) 40-95% by weight on a dry weight basis of a pharmaceutically acceptable diluent:
 - (iii) 0-10% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant; and
 - (iv) 0.25-6% by weight on a dry weight basis of a pharmaceutically acceptable lubricant,

- to form a DPP-IV inhibitor formulation in the form of a tableting powder, capable of being directly compressed into a tablet; and
- (b) compressing the formulation prepared during step (a) to form the compressed DPP-IV inhibitor tablet in unit dosage form.
- 36. (currently amended) Process according to claim 35 wherein the blended formulation comprises:
 - (i) 20-35% or preferably 25-30% by weight by weight on a dry weight basis of DPP-IV inhibitor preferably LAF237, in free form or in acid addition salt form;
 - (ii) 25-70% by weight or preferably 35-50% by weight on a dry weight basis of a pharmaceutically acceptable microcrystalline cellulose such as Avicel PH 102;
 - (iii) 5-40% by weight or preferably 18-35% by weight on a dry weight basis of a pharmaceutically acceptable lactose;
 - (iv) 0-10% by weight-or-preferably 1-4% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate; and
 - (v) 0.25-6% by weight or preferably 0.5-4% by weight on a dry weight basis of a pharmaceutically acceptable magnesium stearate.

37. (canceled)

- 38. (currently amended) The process according to any one of claims 34 to 37 claim 34, in which the DPP-IV inhibitor is selected from 1-{2-[(5-cyanopyridin-2-yl) amino] ethylamino} acetyl-2 (S)-cyano-pyrrolidine dihydrochloride, (S)-1-[(3-hydroxy-1-adamantyl)amino]acetyl-2-cyano-pyrrolidine, L-threo-isoleucyl thiazolidine, MK-0431, GSK23A, BMS-477118, 3-(aminomethyl)-2-isobuthyl-1-oxo-4-phenyl-1,2-dihydro-6- isoquinolinecarboxamide and 2-{[3-(aminomethyl)-2-isobuthyl-4- phenyl-1-oxo-1,2-dihydro-6-isoquinolyl]oxy}acetamide and optionally in any case pharmaceutical salts thereof.
- 39. (currently amended) The process according to any one of claims 34 to 37 claim 34, in which the which the DPP-IV inhibitor is 1-[3-hydroxy-adamant-1-ylamino)-acetyl]-pyrrolidine-2(S)-carbonitrile or pharmaceutical salts thereof.
- 40. (currently amended) A pharmaceutical composition comprising;
 - (a) a DPP-IV inhibitor in free form or in acid addition salt form,
 - (b) a pharmaceutically acceptable diluent,

wherein in the unit dosage form, the weight of DPP-IV inhibitor on a dry weight basis to tablet weight of diluent ratio is of 0.5 to 0.25, preferably 0.4 to 0.28.

- 41. (original) A composition according to claim 40 wherein the diluent is selected from a microcrystalline cellulose and lactose.
- 42. (currently amended) A composition according to claim 40 or claim 41, wherein at least one diluent is a microcrystalline cellulose and wherein in the unit dosage form, the weight of DPP-IV inhibitor on a dry weight basis to tablet weight of microcrystalline cellulose ratio is of 2 to 0.333, preferably 1 to 0.333, most preferably of 0.7 to 0.333.
- 43. (currently amended) A composition according to elaim 42 or claim 40 comprising lactose as diluent in addition to a microcrystalline cellulose.
- 44. (currently amended) Composition according to any of claims 40 to 43 claim 40 wherein the DPP-IV inhibitor is selected from 1-{2-[(5-cyanopyridin-2-yl) amino] ethylamino} acetyl-2 (S)-cyano-pyrrolidine dihydrochloride, (S)-1-[(3-hydroxy-1-adamantyl) amino]acetyl-2-cyano-pyrrolidine, L-threo-isoleucyl thiazolidine, MK-0431, GSK23A, BMS-477118, 3-(aminomethyl)-2-isobuthyl-1-oxo-4-phenyl-1,2-dihydro-6-isoquinolinecarboxamide and 2-{[3-(aminomethyl)-2-isobuthyl-4-phenyl-1-oxo-1,2-dihydro-6-isoquinolyl]oxy}acetamide and optionally in any case pharmaceutical salts thereof.
- 45. (currently amended) Composition according to any of claims 40 to 43 claim 40 wherein the DPP-IV inhibitor is 1-[3-hydroxy-adamant-1-ylamino)-acetyl]-pyrrolidine-2(S)-carbonitrile or pharmaceutical salts thereof.
- 46. (currently amended) Composition according to any of claims 1 to 33 or 40 to 45 claim 1, comprising between 20 and 120 mg preferably between 25 and 100 mg of 1-[3-hydroxy-adamant-1-ylamino)-acetyl]-pyrrolidine-2(S)-carbonitrile or a pharmaceutically acceptable acid addition salt thereof.
- 47. (currently amended) Composition according to any of claims 40 to 46 claim 40, which further comprises:
- (c) 0-20% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant;
- (d) 0.1-10% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.
- 48. (currently amended) Composition according to any of claims 40 to 47 claim 40, which further comprises;:
- (c) 1-6% by weight on a dry weight basis of a pharmaceutically acceptable disintegrant;
- (d) 0.25-6% by weight on a dry weight basis of a pharmaceutically acceptable lubricant.
- 49. (currently amended) Composition according to any of claims 40 to 48 claim 40, which further comprises:

- (c) 1-4% by weight on a dry weight basis of a pharmaceutically acceptable sodium starch glycolate; and
- (d) 0.5-4% by weight on a dry weight basis of magnesium stearate.
- 50. (canceled)
- 51. (canceled)
- 52. (currently amended) The Composition composition according to any of claims 40 to 48 claim 40 which is a tablet.
- 53. (currently amended) The composition according to any of claims 40 to 48 claim 40 which is a capsule.
- 54. (currently amended) A compressed pharmaceutical tablet, preferably a direct compressed tablet, comprising a DPP-IV inhibitor, in free form or in acid addition salt form.
- 55. (original) A compressed pharmaceutical tablet according to claim 54, wherein the DPP-IV inhibitor is selected from 1-{2-[(5-cyanopyridin-2-yl) amino] ethylamino} acetyl-2 (S)- cyanopyrrolidine dihydrochloride, (S)-1-[(3-hydroxy-1-adamantyl)amino]acetyl-2-cyano-pyrrolidine, L-threo-isoleucyl thiazolidine, MK-0431, GSK23A, BMS-477118, 3-(aminomethyl)-2-isobuthyl-1-oxo-4-phenyl-1,2-dihydro-6-isoquinolinecarboxamide and 2-{[3-(aminomethyl)-2-isobuthyl-4-phenyl-1-oxo-1,2-dihydro-6-isoquinolyl]oxy}acetamide and optionally in any case pharmaceutical salts thereof.